

**ABSTRACT**

A method and system for controlling gamut mapping algorithm parameters and exposing those parameters as user interface elements to allow users to interactively control the gamut mapping algorithm parameters is provided. A request to modify a user interface is received and a modified gamut mapping algorithm parameter element is loaded into the user interface in response. The request to modify can be a request to modify a pre-existing gamut mapping algorithm parameter element or a format of a corresponding gamut mapping algorithm parameter. User specified requests to adjust gamut mapping algorithm parameter elements are received and color management operations are adjusted in response. A three dimensional representation of a device color gamut can be displayed and modified by a user, and an input image that is being processed by the color management operations is displayed and modified dynamically in response to user specific adjustments.